

Fill
air

JdW
3-28-83

ACTION REQUIRED:

TECHNICIAN

CHEMIST

ECOLOGIST

ROUTING SLIP INITIAL

This Applies to
Classified Material
Incinerator near
Building #2.

Daany

CP DDG
ASSISTANT CHIEF OF STAFF, FACILITIES
HEADQUARTERS, MARINE CORPS BASE

DATE 23 Mar 83

TO: NREA

BASE MAINT O

DIR, FAMILY HOUSING

PUBLIC WORKS O

DIR, UNACCOMPANIED PERS HSG

COMM-ELECT O

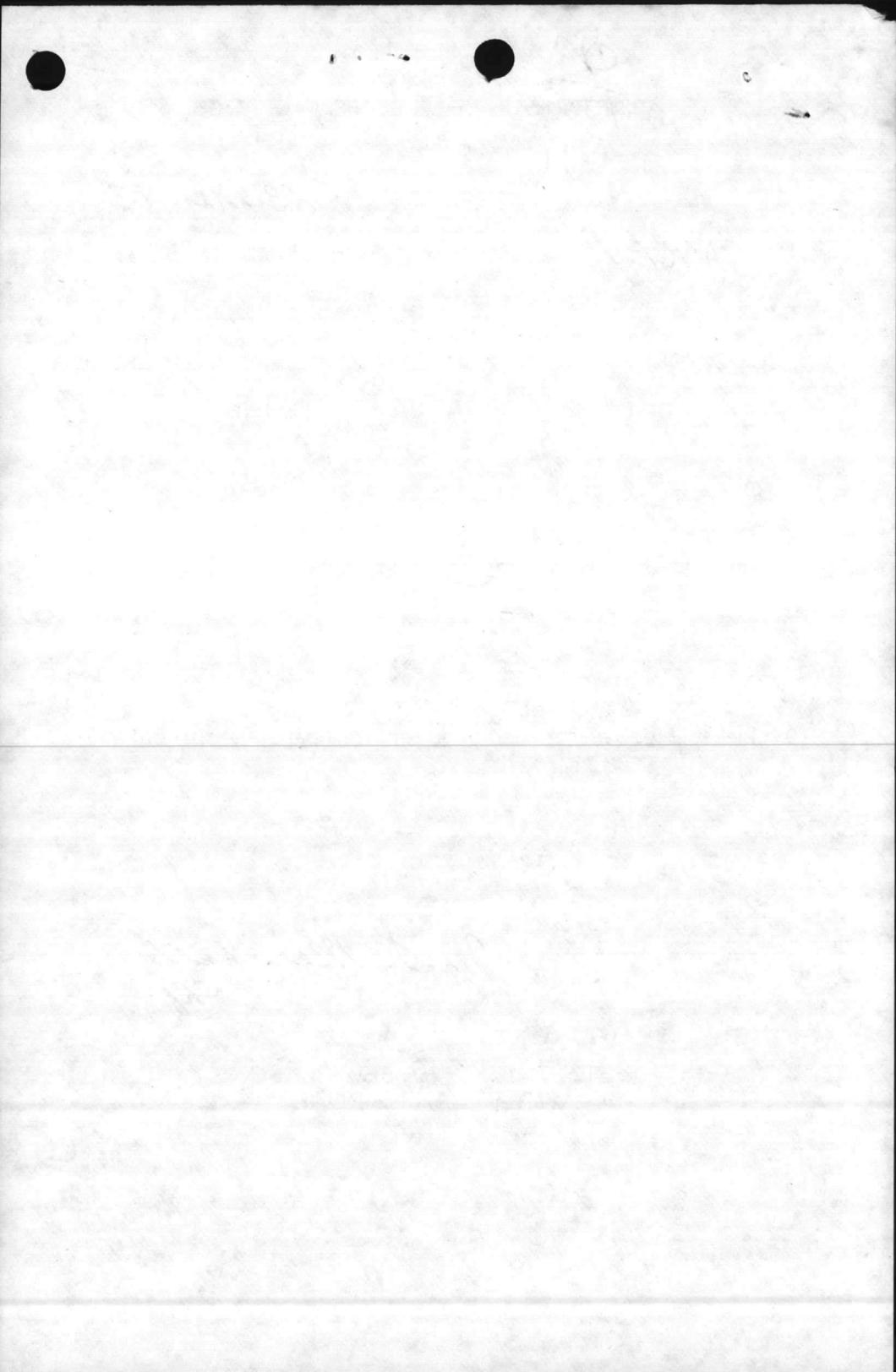
BASE FIRE CHIEF

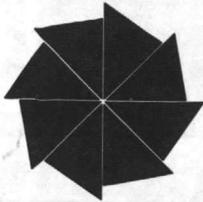
ATTN: _____

1. Attached is forwarded for info/action.
2. Please initial, or comment, and return all papers to this office.
3. Your file copy

J. J. Marshall
(hj)

"LET'S THINK OF A FEW REASONS
WHY IT CAN BE DONE"





North Carolina Department of Natural Resources & Community Development

James B. Hunt, Jr., Governor

Joseph W. Grimsley, Secretary

DIVISION OF ENVIRONMENTAL MANAGEMENT

March 21, 1983

J. T. Marshall
Colonel, U. S. Marine Corps
Assistant Chief of Staff, Facilities
Marine Corps Base
Camp LeJeune, North Carolina 28542

Subject: Renewal of Permit No. 4320
Marine Corps Base
Camp LeJeune, North Carolina
Onslow County

Dear Mr. Marshall:

This will acknowledge receipt of your application on March 17, 1983 for renewal of Permit No. 4320.

Your application will be processed by this office and you will be advised of the results of our review as soon as possible. Any questions concerning this matter should be addressed to me at (919) 256-4161.

Sincerely,

William C. Cochran

William C. Cochran
Environmental Engineer II

WCC/cfp

cc: Mike Sewell
Wilmington Regional Office
Central Files

North Carolina Department of
Resources & Community Development

STATE OF NORTH CAROLINA
DEPARTMENT OF REVENUE
DIVISION OF TAX SERVICES
100 SOUTH COLLETT STREET
RALEIGH, NORTH CAROLINA 27601
PHONE: (919) 733-2000

PROPERTY TAX STATEMENT

PROPERTY TAX STATEMENT

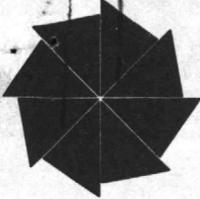
PROPERTY TAX STATEMENT

William C. Beckman

PROPERTY TAX STATEMENT

PROPERTY TAX STATEMENT

PROPERTY TAX STATEMENT



7-6280/4

North Carolina Department of Natural Resources & Community Development

James B. Hunt, Jr., Governor

Howard N. Lee, Secretary

DIVISION OF ENVIRONMENTAL MANAGEMENT

March 13, 1980

Mr. Roger B. Eubanks, Project Office
U.S. Marine Corps, CFU, HQCO, HQBN
2nd Marine Division
Camp LeJeune, North Carolina 28542

Subject: Permit No. 4320
U.S. Marine Corps Base
Camp LeJeune
North Carolina

Dear Mr. Eubanks:

In accordance with your application received February 18, 1980, we are forwarding herewith Permit No. 4320 to U.S. Marine Corps Base, Camp LeJeune, North Carolina, for the construction and/or operation of air pollution abatement facilities and/or emission sources.

If any parts, requirements, or limitations contained in this Permit are unacceptable to you, you have the right to an adjudicatory hearing before a hearing officer upon written demand to the Director within 30 days following receipt of this Permit, identifying the specific issues to be contended. Unless such demand is made, this Permit shall be final and binding.

This Permit shall be effective from the date of issuance until April 1, 1983, is nontransferable to future owners and operators, and shall be subject to the conditions and limitations as specified therein.

Sincerely,

Charles Wakild
Regional Supervisor

CW:TMCC:cb

Enclosure

cc: A. C. Turnage, Jr.
Robert Jamieson
Information Services
Wilmington Regional Office
Central Files

North Carolina Department of Environment
Resources & Community Development
James B. Hunt, Jr., Governor

DIVISION OF ENVIRONMENTAL MANAGEMENT

March 13, 1980

Mr. Roger B. Eubanks, Project Office
U.S. Marine Corps, CPO, HQCO, HBNB
2nd Marine Division
Camp Lejeune, North Carolina 28542

Subject: Permit No. N320
U.S. Marine Corps Base
Camp Lejeune
North Carolina

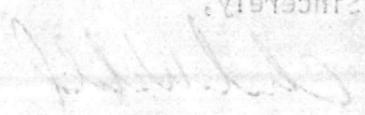
Dear Mr. Eubanks:

In accordance with your application received February 10, 1980, we are forwarding herewith Permit No. N320 to U.S. Marine Corps Base, Camp Lejeune, North Carolina, for the construction and/or operation of air pollution abatement facilities and/or emission sources.

If any parts, requirements, or limitations contained in this Permit are unacceptable to you, you have the right to an adjudicatory hearing before a hearing officer upon written demand to the Director within 30 days following receipt of this Permit, identifying the specific issues to be contended. Unless such demand is made, this Permit shall be final and binding.

This Permit shall be effective from the date of issuance until April 1, 1983, is nontransferable to future owners and operators, and shall be subject to the conditions and limitations as specified therein.

Sincerely,



Charles Markie
Regional Supervisor

GW:THC:cb

Enclosure

cc: A. C. Turnage, Jr.
Robert Jamison
Information Services
Wilmington Regional Office
Central Files

Wilmington Regional Office
Wilmington, North Carolina

NORTH CAROLINA

ENVIRONMENTAL MANAGEMENT COMMISSION

DEPARTMENT OF NATURAL RESOURCES AND COMMUNITY DEVELOPMENT

Raleigh

P E R M I T

For the Discharge of Air Contaminants Into the Atmosphere

In accordance with the provisions of Article 21B of Chapter 143, General Statutes of North Carolina as amended, and other applicable Laws, Rules and Regulations,

PERMISSION IS HEREBY GRANTED TO

U.S. Marine Corps Base
Camp LeJeune, North Carolina

FOR THE

operation of a No. 2 oil-fired, 75 pounds per hour, type O waste, multiple chamber incinerator with a 350,000 BTU per hour (minimum) primary burner and a 350,000 BTU per hour (minimum) secondary burner and appurtenances installed to remove particulate, visible, and odorous emissions, and for the discharge of the associated stack gases into the outdoor atmosphere at its facility located at Camp LeJeune, North Carolina, Onslow County,

in accordance with the application received February 18, 1980, and in conformity with the plans, specifications, and other supporting data, all of which are filed with the Department of Natural Resources and Community Development and are incorporated as part of this Permit.

This Permit shall be effective from the date of its issuance until April 1, 1983, is nontransferable to future owners and operators, and shall be subject to the following specified conditions and limitations:

1. The facility shall be properly operated and maintained at all times in such a manner as to effect an overall reduction in air pollution in keeping with the application and otherwise to reduce air contamination to the extent necessary to comply with applicable Environmental Management Commission Regulations, including 15 NCAC 2D .0505, .0521, .0522, .0516.
2. Reports on the operation and maintenance of the facility shall be submitted to the Division of Environmental Management at such intervals and in such form and detail as may be required by the Division. Information required in such reports may include, but is not limited to, process weight rates, firing rates, hours of operation, and preventive maintenance schedules.

ENVIRONMENTAL MANAGEMENT COMMISSION

DEPARTMENT OF NATURAL RESOURCES AND COMMUNITY DEVELOPMENT

Permit

12345

For the discharge of air contaminants into the atmosphere

In accordance with the provisions of Article 21B of Chapter 113, General Statutes of North Carolina, and other applicable laws, rules and regulations,

PERMISSION IS HEREBY GRANTED TO

1234567890
1234567890, North Carolina

FOR THE

operation of a 100-hp, 200-gpm centrifugal pump, type 0 waste water pump, model 1234567890, (hereinafter referred to as "pump") and a 100,000-gal storage tank, model 1234567890, (hereinafter referred to as "tank") to remove and store waste water from the site of the pump and tank. The pump and tank are located at 1234567890, North Carolina.

In accordance with the application received February 11, 1980, and in conformity with the laws, rules and regulations, and other applicable laws, rules and regulations, the Department of Natural Resources and Community Development and the Commission hereby grant this permit.

This permit shall be effective from the date of its issuance until the date of its expiration. The permit owner and operator shall be subject to the following special conditions and limitations:

1. The facility shall be properly operated and maintained at all times. It shall be the responsibility of the permit owner and operator to ensure that the facility is operated in accordance with the laws, rules and regulations, and other applicable laws, rules and regulations, and to maintain accurate records of the operation of the facility. The permit owner and operator shall be responsible for the payment of all applicable taxes, fees, and charges.

2. Reports on the operation and maintenance of the facility shall be submitted to the Division of Environmental Management at the following intervals: (a) monthly; (b) quarterly; (c) semi-annually; and (d) annually. Information and data required by the Division, but not included in the reports, may be required to be submitted to the Division upon request. The reports shall include, but not be limited to, the following information: (a) a description of the facility; (b) a description of the operation of the facility; (c) a description of the maintenance of the facility; (d) a description of the results of the monitoring and testing of the facility; and (e) a description of the corrective action taken by the permit owner and operator.

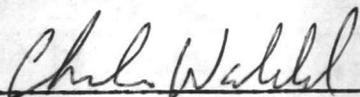
Permit No. 4320
Page 2

3. The facility shall be evaluated for compliance with Environmental Management Commission Regulation(s) 15 NCAC 2D .0521 by the Division of Environmental Management, at the aforementioned location, by June 15, 1980. This Permit shall become voidable, with proper notice to the company, if the results of the evaluation indicate that the facility does not meet applicable laws, rules, and regulations.
4. A violation of any term of condition of this Permit shall subject the Permittee to enforcement procedures contained in North Carolina General Statutes 143-215.114, including assessment of civil penalties.

Permit issued March 13, 1980

NORTH CAROLINA ENVIRONMENTAL MANAGEMENT COMMISSION

By



Charles Wakild, Regional Supervisor
Division of Environmental Management
By Authority of the Secretary of the Department
of Natural Resources and Community Development

Permit No. 4320

- 3. The facility shall be evaluated for compliance with Environmental Discharge Regulation(s) 15 N.C. 2D, 2021 by the Division of Environmental Management, at the aforementioned location, by June 15, 1980. This permit shall become voidable, with proper notice to the company, if the results of the evaluation indicate that the facility does not meet applicable laws, rules, and regulations.
- 4. A violation of any part of condition of this permit shall subject the permittee to enforcement measures contained in North Carolina General Statutes 150-215.11, including assessment of civil penalties.

Permit issued March 13, 1980

NORTH CAROLINA ENVIRONMENTAL MANAGEMENT COMMISSION



Charles Malik, Regional Supervisor
Division of Environmental Management
By Authority of the Secretary of the Department
of Natural Resources and Community Development

NORTH CAROLINA
ENVIRONMENTAL MANAGEMENT COMMISSION
RALEIGH

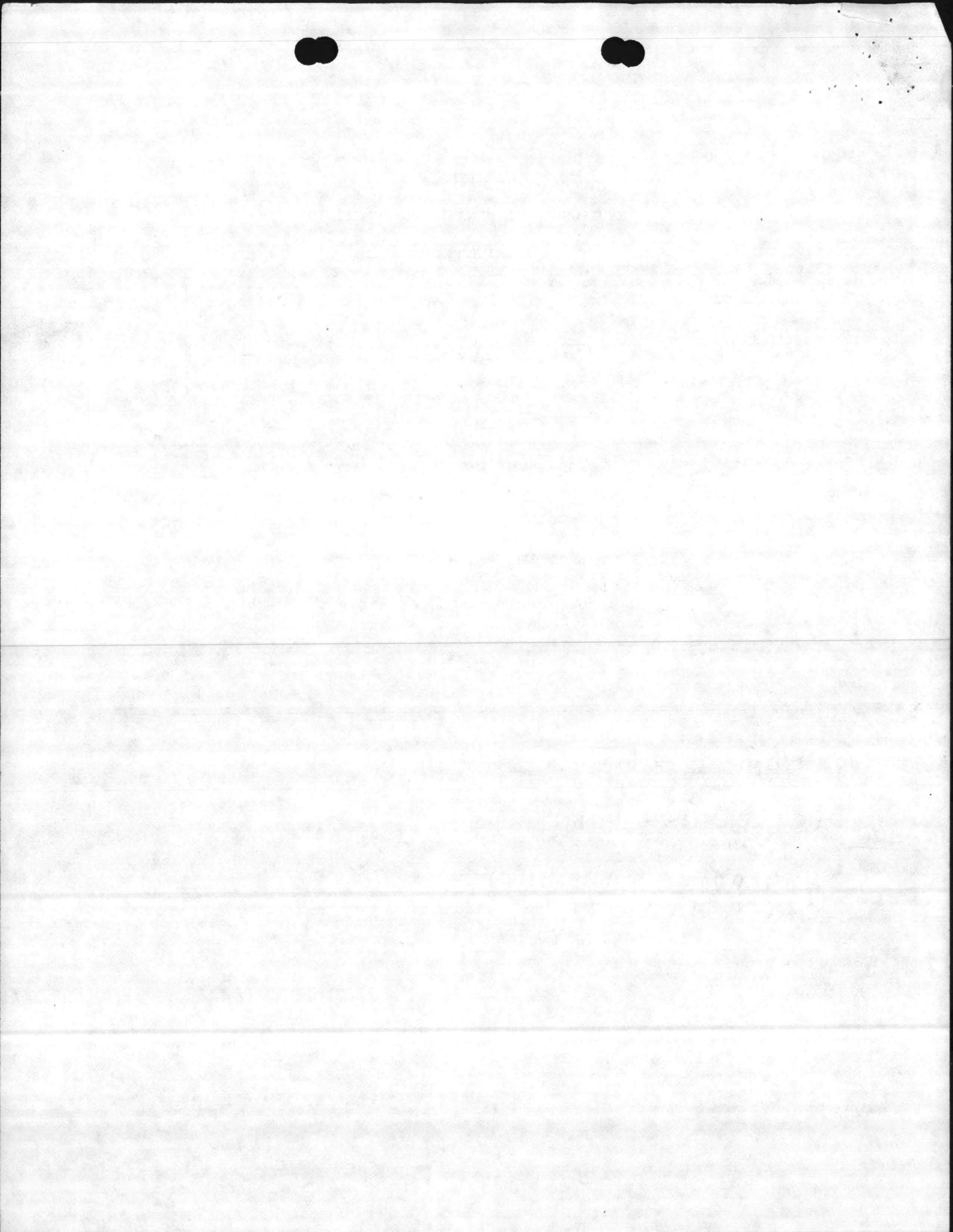
RECEIVED
MAY 19 1968
PERMITTING DIVISION
ENVIRONMENTAL OFFICE
RALEIGH

APPLICATION FOR
A "PERMIT"
TO CONSTRUCT AND OPERATE AIR
POLLUTION ABATEMENT FACILITIES AND/OR EMISSION SOURCES

Filed By: Roger B Eubanks
(Name)

(CFU) HQ CO, HQ BN
(Address)

2d MARINE DIVISION
CAMP LEJEUNE, NC
28542



APPLICATION FOR A "PERMIT"
 To Construct and Operate Air Pollution Abatement Facilities and/or Emission Sources
 Three Copies to be Submitted
 Fourth Copy Should be Retained by Applicant

Date: 12 Dec 1979

In accordance with the provisions of Article 21 of Chapter 143, General Statutes of North Carolina as amended, application is hereby made by U.S. MARINE CORPS, CFU, HQCO, HQBN, 2D MAR DIV CAMP LEJEUNE, N.C.
 (Name of Company, Establishment, Town, Etc.) (Include Division or Plant Name in Addition to Parent

in the County of ONSLow at CAMP LEJEUNE
 (Street and City or Town Address of Plant or Facility)
 Company if Applicable) for issuance of a "Permit" to construct and operate air pollution abatement facilities and/or emissions sources at above location as specified in the accompanying drawings, specifications, and other pertinent data:

1. Nature of Operation Conducted at the Above Facility: MILITARY OPERATION

2. Description of Process(es) Whose Emission(s) is/are to be Controlled by the Facility or Source(s) Which is/are to be Constructed or Altered. (Complete Section I)

BURN CLASSIFIED MATERIAL

3. Furnish Type and Narrative Description of Proposed Control Device(s). (Complete Appropriate Supplemental Data Sheets for Control Device to be Installed and/or Operated. Include Make and Model Number of Control Device(s) and Number of Identical Units).

CONSUMAT INCINERATOR, Mod C-18 (PATHOLOGICAL 9072-C288)

4. Contaminant Emitted:	Weight Rate of Emissions (lb/hr):		Control Efficiency (%):	
	Without Control Device	With Control Device	Without Control Device	With Control Device
<u>CARBON DIOXIDE</u>		<u>18 CUSE/60 lb/HR</u>		
<u>WATER VAPOR</u>				

5. Name and Address of Engineering Firm that Prepared Plans: AIR POLLUTION CONTROL PRODUCTS, INC
P.O. BOX 488
MECHANICSVILLE, VA 23111

6. Ultimate Disposition of Collected Pollutants: BURN/REBURN

7. Date on Which Facilities are to be Completed and in Operation: Dec, 1979

8. Indicate Period of Time for Which Facilities are Estimated to be Adequate: 10 Years

9. Estimate Cost of Air Pollution Control Device \$6,653.00

10. Hours Facility is Operated Per Year: 2200 hrs approx

Name: GSgt Roger B. Eubanks
 (Responsible Individual of Company Purchasing/Operating Facility...PLEASE PRINT)

Mailing Address: CFU, HQCO, HQBN,
2d MARINE DIVISION
CAMP LEJEUNE, N.C.

Signature and Title: R B Eubanks Proj Off

Telephone Number: 451-5728
3748



[The page contains extremely faint, illegible text that appears to be bleed-through from the reverse side. The text is scattered across the page and is not readable.]

I. GENERAL DATA FOR PROCESSES

*Attach detailed process engineering drawings, equipment drawings and flow diagrams for the process(es) or source(s) being constructed or altered.

Name of Process: CLASSIFIED MATERIAL - PAPER

Total Weight of Materials Entering this Process: 60 lb/hr or ton/hr

Volume and Temperature of Air Flow Entering Control Device: 500 CFM @ _____ °F

Volume and Temperature of Effluent at Discharge Point to Atmosphere: 500 CFM @ _____ °F

Pollutant(s) to be Controlled: _____

Height of Process Stack or Vent Above Ground Level 16' 10" ft. Inside area of Stack 1.6' ft².

Particulate Emission Rate (Before Control) 0 lb/hr

Particle Size Distribution: 0-5μ _____ %, 5-10μ _____ %, 10-20μ _____ %, 20-30μ _____ %, 30-40μ _____ %, 40-50μ _____ %, >50μ _____ %

Gaseous Emission(s): Name (Chemical Formula) μg/m³, PPM or lb/hr

60 lb/hr

II. SUPPLEMENTARY DATA FOR INCINERATORS (Including Conical Incinerators)

Circle Type of Waste or Indicate Composition: Type 0 Type I Type II Type III Type IV

Combustible: 100 % Non-Combustible: _____ % Moisture: _____ % Heat Value: _____ BTU/lb

Total Waste Generated Per Day: 250 lb. per week day Hours Incinerator will be Operated: 5 hrs/day

Design Capacity for Above Waste: 60 lbs/hr

Manufacturer and Model Number; Approximate Cost: CONSUMAT INCINERATOR MOD C-18P \$6,653

Primary Chamber Volume: 59' x 5' 7" ft.³

Secondary Chamber Volume: _____ ft.³

Air Requirements: Total Excess Air _____ % Draft: Natural _____ Induced Other _____
Overfire Air: _____ cfm Underfire Air: _____ cfm

Is there an Electronically Controlled, Exhaust Gas Temperature Modulated, Damper Installed on the 1600-1800 Conical Incinerator for: Overfire Air Supply _____, Underfire Air Supply _____, Dome _____ Temperature Set Point _____ °F
Flame Port Temperature: _____ °F Secondary Chamber Temperature: 1800 °F Lower UPPER

Is there a Continuous Exhaust Gas Temperature Recorder? Yes _____ No 1000 °F
Stack: 16 ft.² Height 16 ft. Gas Velocity _____ ft/sec Temperature _____ °F Fan Capacity _____ cfm Stack Lined? _____

Is there a Wet Scrubber?

Yes _____ No Flow Rate of H₂O into Scrubber _____ gal/min Temperature Before Scrubber _____ °F

Aux. Fuel: Oil Gas _____ Other _____ Burner Rating: Primary Chamber 350,000 BTU/hr Secondary Chamber 350,000 BTU/hr Stack _____ BTU/hr
Diesel #2

Primary Burner: Is there a Preheat Timer? Yes _____ No Preheating Time: _____ min.

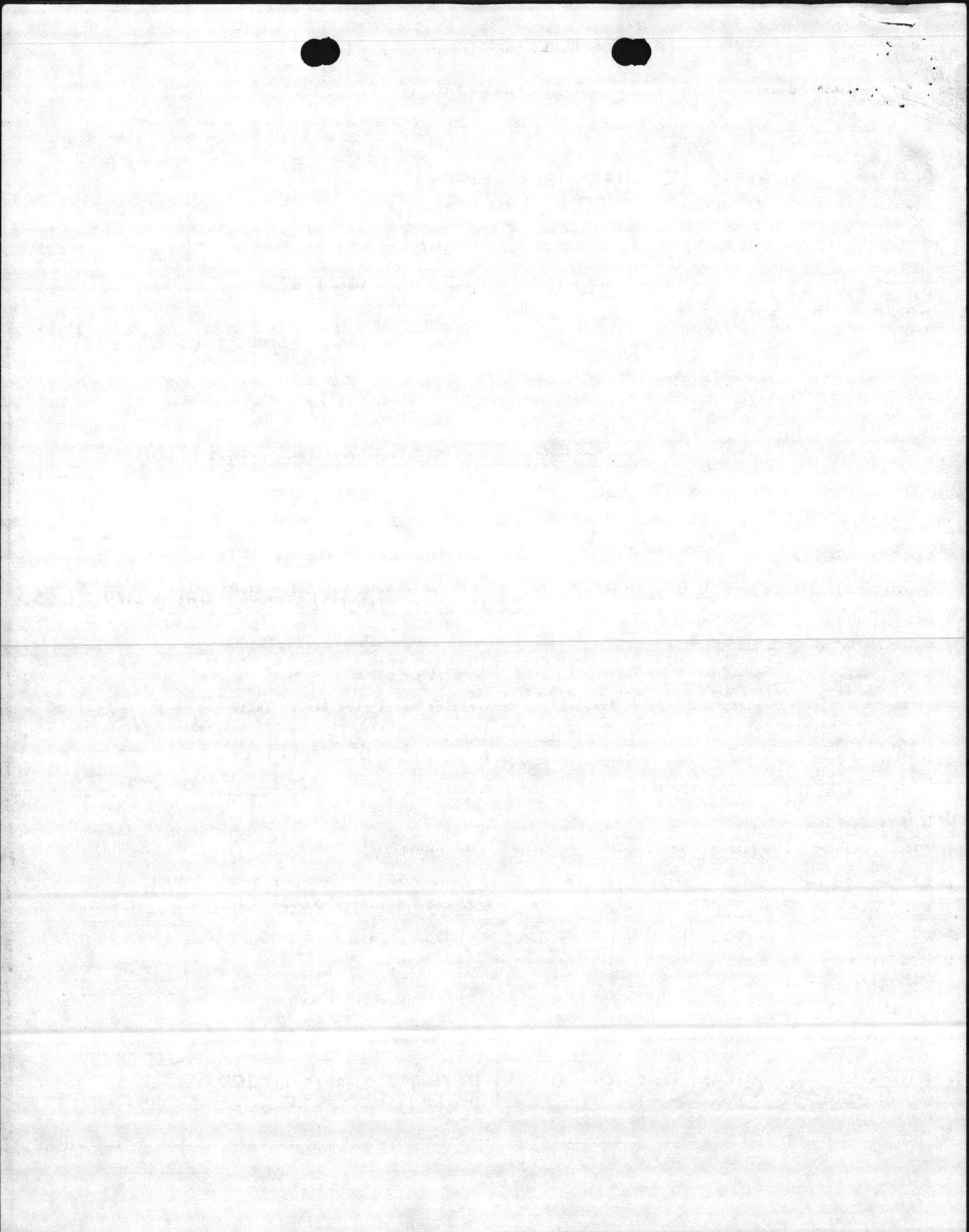
Secondary Burner or Afterburner: Is there a Timer? Yes _____ No _____ Length of Time Burner is Operated _____ min.

Is the Timer Reset by Charging Door? Yes _____ No Other Mode of Burner Control _____

Type of Feed: Manual Automatic _____ If Automatic, Describe _____

Distance from Incinerator to Nearest Structure(s) in which People Live and/or Work. 100 ft.

Signature R. Blundell Title: Proj Officer



III. SUPPLEMENTARY DATA FOR FUEL BURNING SOURCES

*Attach detailed dimensioned drawing or sketch showing internal features of dryers, wood or coal fired boilers, and recovery boilers.

Type of Fuel Burning Source Diesel #2 Stack Height Above Ground Level 16'10" ft. Inside Area of Stack ft²

Make and Model Number COMSUMAT C-18P Volume of Furnace ft³

Specify Actual Amount of Each Fuel Used in Above Source (s):

Coal lb/hr; Oil Grade #2 Amount gal/hr, at BTU/gal and lb/gal or lb/hr

Wood lb/hr; Natural Gas SCF/hr, at BTU/SCF; Other

ESTIMATED 75 GAL PER WEEK (Specify type, amount and heating value)

Specify Maximum Rating for Each Fuel Burning Source:

Coal Oil Wood Natural Gas Other

Maximum Sulfur Content of Fuel % Specify Standby Fuel Maximum % Sulfur

Type of Solid Fuel Burning Equipment Used: Hand Fired Spreader Stoker Underfeed Stoker Chain Gate

Traveling Gate Pulverizer Cyclone Furnace Other (Specify)

Ash Content of Fuel:

Specify Method and Schedule of Tube Cleaning, if Applicable:

Coal % Wood % Other 100 % Lancing Tube Blowing Schedule

Emission Control Equipment (Describe in Detail in Sections IV and V)

Collection Device: Wet Dry Steam Injection Air Injection Is Collected Flyash Rejected?

Draft on Boiler (Natural Induced) 500 cfm at °F

Total Number of Fuel Burning Sources Within Property Boundaries:

Maximum Capacity Rating, by Type, for All Fuel Burning Units Excluding that Itemized Above: (Total Like Units)

Coal lb/hr Wood lb/hr Oil gal/hr Natural Gas SCF/hr

IV. SUPPLEMENTARY DATA FOR WET COLLECTION DEVICES

*Attach detailed engineering drawings of the control device and particle size versus removal efficiency curves.

Liquid Scrubbing Medium and Additives:

Total Liquid Injection Rate (Include Recirculated and Make-up Rates) gal/min or gal/1000 ft³

Operating Pressure Drop Across Device in H₂O

ANSWER FOLLOWING QUESTIONS FOR SPECIFIC DEVICE:

VENTURI SCURBBER: Inlet Area in² Throat Area in² Throat Velocity ft/sec

GRAVITY SPRAY CHAMBER: Number of Nozzles Liquid Droplet Size u Co-Current Countercurrent

WET CYCLONE:

PACKED TOWER OR PLATE TOWER:

Body Diameter in Length in Cross-Sectional Area ft² Type of Plate

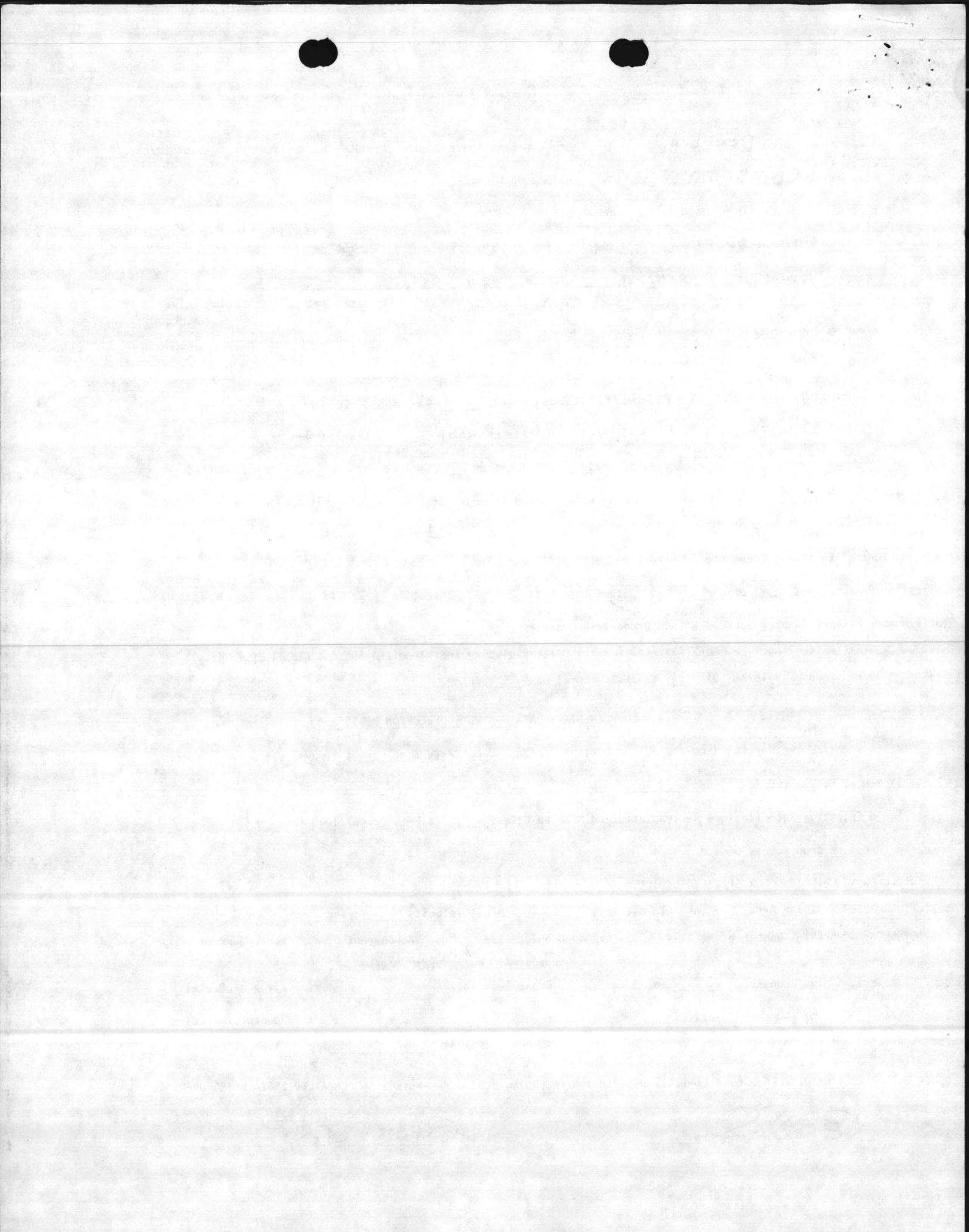
Inlet Area in² Number of Nozzles Length ft Depth of Packing ft

Outlet Area in² Number of Plates Type of Packing

OTHER WET COLLECTION DEVICES: GIVE COMPLETE DESCRIPTION INCLUDING DESIGN PARAMETERS AND DETAILED ENGINEERING DRAWINGS.

Signature: [Handwritten Signature]

Title: PROJ OFF



V. SUPPLEMENTARY DATA FOR DRY COLLECTION DEVICES

*Attach detailed engineering drawings of the control device and particle size versus removal efficiency curves.

BAGHOUSES: Cloth Area _____ ft² Bag Material _____
Number of Compartments _____ Pressure - Drop Total _____ in H₂O
Method of Cleaning _____ Air-to-Cloth Ratio _____ ft/min
Time Between Cleaning _____ mins, hrs

ELECTROSTATIC PRECIPITATORS:

GENERAL:

Effective Area of Grounded Collector Plates _____ ft²
Number of Compartments or Chambers _____ Number of Cells per Compartment _____
Electrical Field Gradient at the Discharge or Emitting Electrodes _____ KV/in
Average Electrical Field Gradient at the the Grounded Collecting Electrodes _____ KV/in
Fields of Treatment _____ Potential Applied to Emitting Wires _____ KV

SINGLE STAGE TYPE:

Distance Between Emitting Wires and Collecting Plates _____ in.
Number of Isolatable Bus Sections _____ Corona Power _____ Watts/1000 cfm

TWO STAGE TYPE:

Distance Between First Stage Emitting Electrodes and Field Receiver Electrodes (Ground) _____ in
Potential Applied to Second Stage Emitting Plates _____ KV
Distance Between Second Stage Emitting Plates and Grounded Collection Plates _____ in

CYCLONES/MULTICYCLONES:

Simple Cyclone

Diameter _____ in
Inlet Dimensions _____
Outlet Dimensions _____
Pressure Drop _____ in H₂O
Number of Cyclones _____

Multicyclone

Diameter _____ in
Inlet Dimensions of Individual Cyclone _____
Outlet Dimensions of Individual Cyclone _____
Pressure Drop _____ in H₂O
Number of Cyclones _____

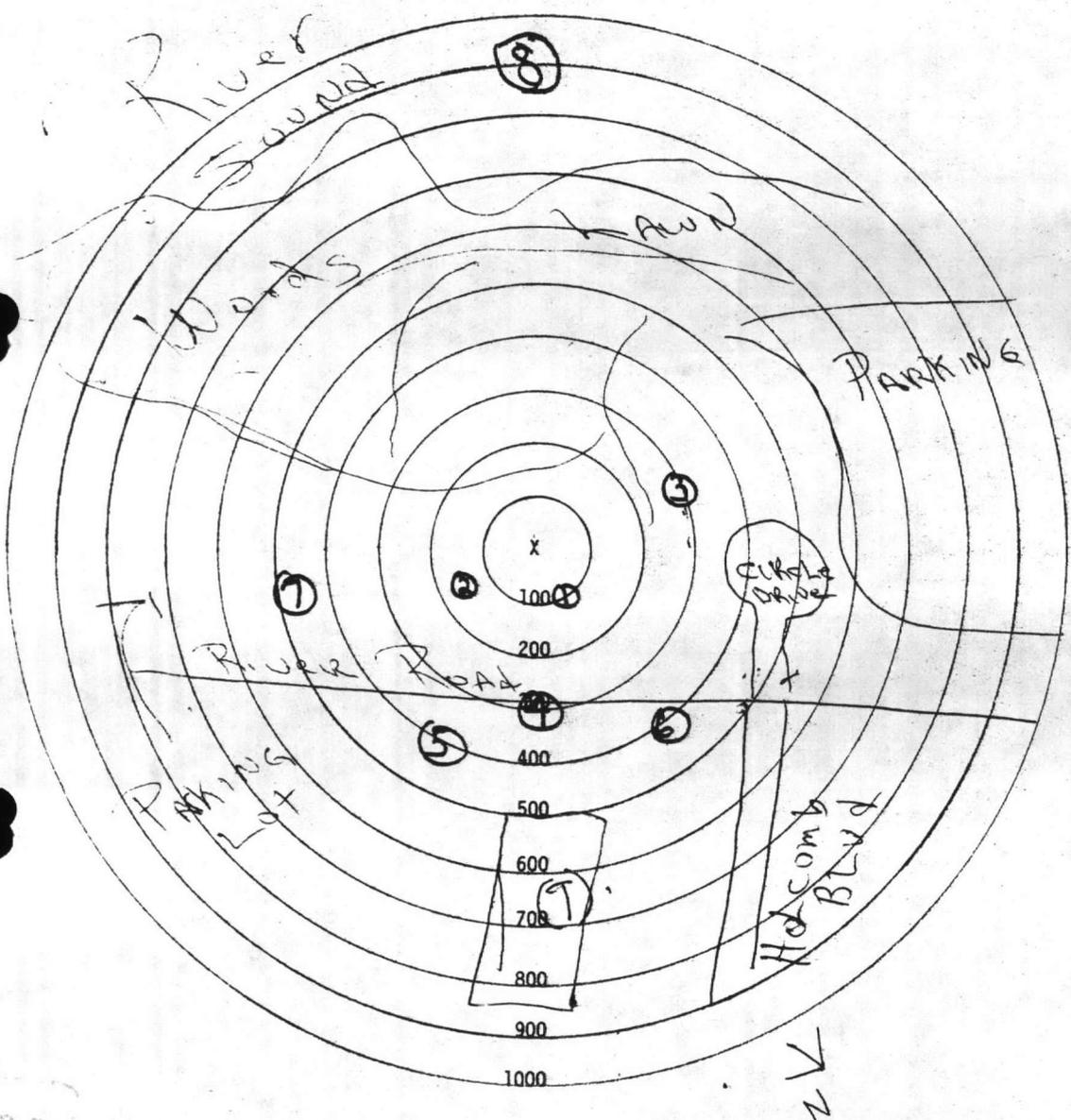
OTHER DRY COLLECTION DEVICES: GIVE COMPLETE DETAILED ENGINEERING DESCRIPTION AND DRAWINGS.

Signature: _____

Title: _____



VI. AREA DIAGRAM



Owner U.S. MARINE CORPS

Location CAMP LEJEUNE NC
(Give Street Address)

INSTRUCTIONS:

1. Show all surrounding buildings and roads within 1000 feet of subject equipment which is located at center of circles.
2. Indicate location and type of building by the use of small numbered circles with the description below.
3. Show roads as lines representing the road edges. Indicate street names and highway numbers.
4. Show wooded or cleared areas by approximate boundary lines and the words "woods", "cleared", "cornfield", etc.
5. Indicate direction of north by arrow.

CODE

DESCRIPTION

- | | |
|---|-----------------------------|
| ① | STORAGE SHED/CONCRETE BLOCK |
| ② | UTILITY SHED/ALUMINUM |
| ③ | BLDG #2 |
| ④ | RIVER ROAD |
| ⑤ | HQBN HQTRS |
| ⑥ | BAS BATT SICK BAY |
| ⑦ | PARKING LOT |
| ⑧ | RIVER |
| ⑨ | BKS |
| ⑩ | |

EXAMPLE

- ① Church
② Residence

X Indicates location of equipment.

